

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: **Ghertner, et al** § Group Art Unit: TBD
Serial No.: **Not assigned** § Examiner: TBD
Filed: **November 5, 2003** § Atty. Docket #: **07006.1011**
Title: **TANK LEAK DETECTION AND** §
REPORTING SYSTEM §
§

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

This is a Preliminary Amendment for the concurrently filed Continuation Application of co-pending U.S. Patent Application Serial Number 10/068,163. Applicants respectfully request the Office to consider the following claims in view of the provided remarks.

As of the entrance of this preliminary amendment, claims 1-4, claims 22-32 and claims 39-43 are pending with claims 4-21 and 33-38 having been cancelled.

Amendments

In the specification, please add the following text following the title on page 1:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a continuation of U.S. Patent Application Serial Number 10.068,163 filed on February 5, 2002 and claims the benefit of the filing date.

In the claims, please make the following amendments:

Claim 1. (amended) An apparatus for providing leak detection and reporting of different types of leaks, ~~said apparatus for use within a reservoir of a toilet having an inlet valve with a refill tube assembly therein, said reservoir also having an overflow pipe and an opening in the reservoir for a flapper for controlling water flow from the reservoir, said apparatus comprising:~~

~~a timing module; and~~

~~a water flow sensor; and~~
~~a timing module coupled to said the water flow sensor and in cooperation with the water flow sensor, the timing module being operable to:~~

~~for sensing water flow, said timing module having a calibration mode for measuring a standard fill time required to properly fill the reservoir following a flush;~~

~~, said apparatus having a lower time threshold and an upper time threshold based upon said standard fill time, said apparatus activating an first alarm if a a subsequently detected water flow occurs for a period of time that is fill time is below the standard fill time by said lower timea first threshold amount of time; and~~

~~activate an alarm if a subsequently detected water flow occurs for a period of time that is to identify a small leak, or activating a second alarm if another fill time is above~~